

WHAT WE CLAIM IS:

- 1 1. An IPS liquid crystal displaying apparatus
2 comprising:
3 a TFT array substrate,
4 an opposite substrate opposed to said TFT array
5 substrate and
6 liquid crystal interposed between said TFT array
7 substrate and said opposite substrate,
8 wherein said TFT array substrate is composed of
9 a glass substrate, a gate insulating film formed on said
10 glass substrate, a passivation film formed on said gate
11 insulating film, a plurality of scanning lines for
12 transmitting a scanning signal, said plurality of scanning
13 lines being formed on said glass substrate, a plurality
14 of signal lines for transmitting an image signal, said
15 plurality of signal lines being formed on said gate
16 insulating film, a plurality of pixels arranged in grid
17 like pattern by crossing said plurality of scanning lines
18 with said plurality of signal lines, a plurality of TFTs
19 implementing switching operation of said image signal on
20 basis of said scanning signals, a plurality of driving
21 electrodes connected with said TFT, a plurality of
22 opposite electrodes arranged in such a manner that each of
23 said plurality of opposite electrodes is opposed to each
24 of said driving electrodes, and a plurality of common
25 lines for mutually connecting each of said opposite
26 electrode of one of said plurality of pixels with other
27 one of said plurality of pixels,
28 wherein said TFT array substrate is formed on
29 said passivation film, said passivation film being
30 different from a layer provided with said driving
31 electrode and said opposite electrode.
- 1 2. The IPS liquid crystal displaying apparatus
2 of Claim 1, wherein said TFT array substrate is provided
3 with a driving electrode for driving said liquid crystal
4 layer by causing electric field parallel to said TFT array

5 substrate face, and an opposite electrode connected with a
6 common line, and said TFT array substrate is provided
7 with at least said opposite electrode formed on said
8 passivation film, different from a layer where said signal
9 line is formed.

1 3. The IPS liquid crystal displaying apparatus
2 of Claim 2, wherein said TFT substrate is provided with
3 said opposite electrode formed to cover one portion of
4 said signal line or all portion of said signal line.

1 4. The IPS liquid crystal displaying apparatus
2 of Claim 3, wherein said TFT array substrate is provided
3 with said opposite electrode formed to cover one portion
4 of said scanning line or all portion thereof, at least
5 said opposite electrode being provided in a layer
6 different from said scanning line.

1 5. The IPS liquid crystal displaying apparatus
2 of Claim 1, wherein said TFT array substrate is provided
3 with a common line and a scanning line on a same layer,
4 and a signal line provided on said gate insulating film.

1 6. The IPS liquid crystal displaying apparatus
2 of Claim 1, wherein said TFT array substrate is provided
3 with a passivation film, a surface of which is
4 approximately flat in shape.

1 7. The IPS liquid crystal displaying apparatus
2 of Claim 1, wherein said TFT array substrate is provided
3 with a light shielding means formed in such a manner that
4 said signal line is superposed with said opposite
5 electrode.

1 8. The IPS liquid crystal displaying apparatus
2 of Claim 1, wherein said TFT array substrate is formed
3 in such a manner that a TFT for switching said image
4 signal in accordance with said scanning signal, a driving

5 electrode for accumulating while switch of said TFT is off
6 electric load stored when said switch of said TFT is on,
7 and a storage capacity increasing electrode for
8 reinforcing the accumulating force of said driving
9 electrode are respectively superposed in different layer.